



FIGURE 1

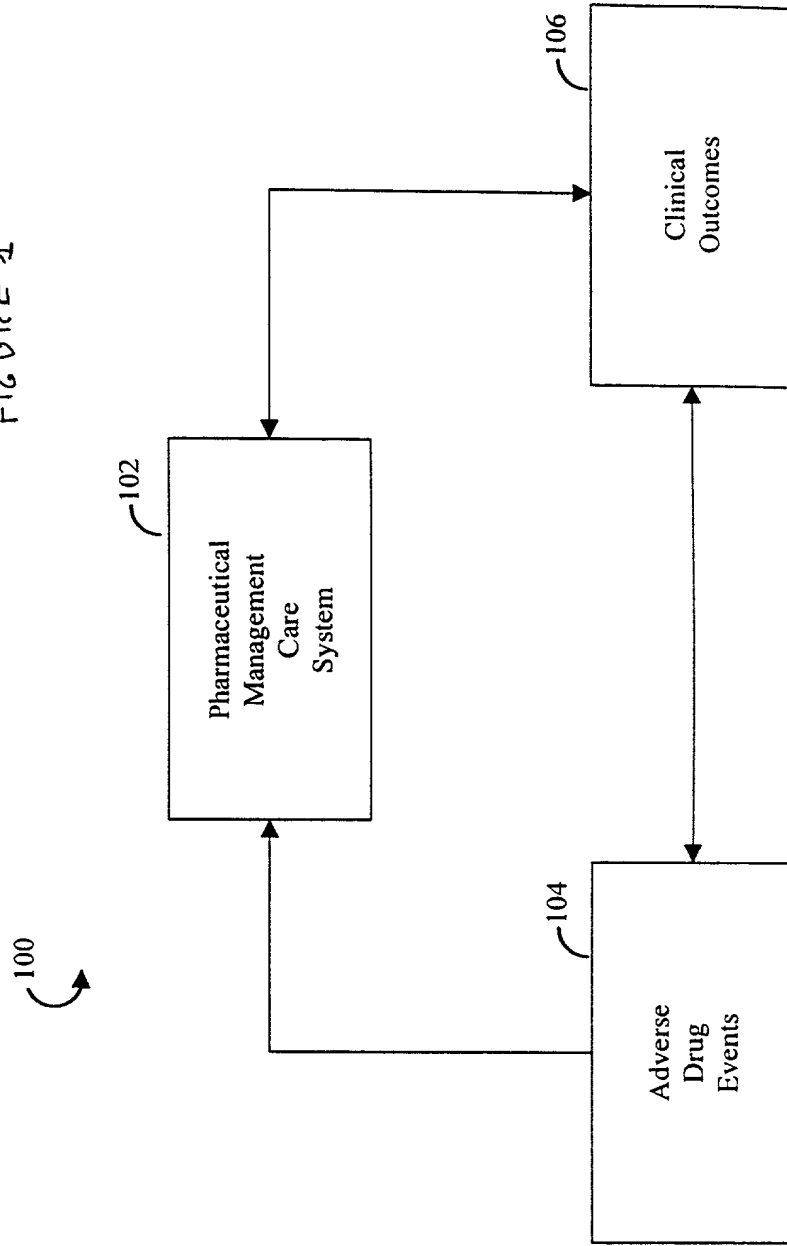


FIGURE 2

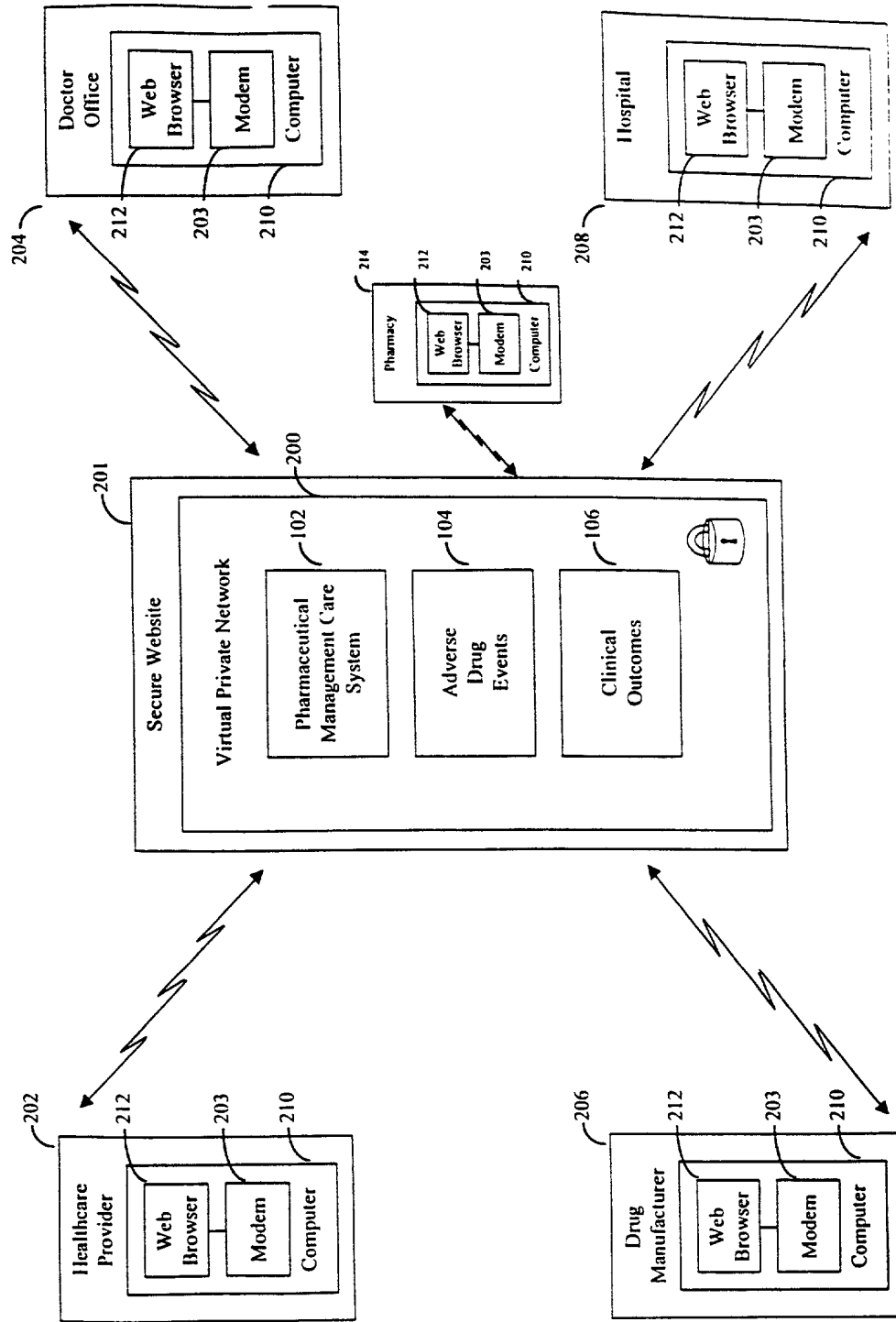




FIGURE 3

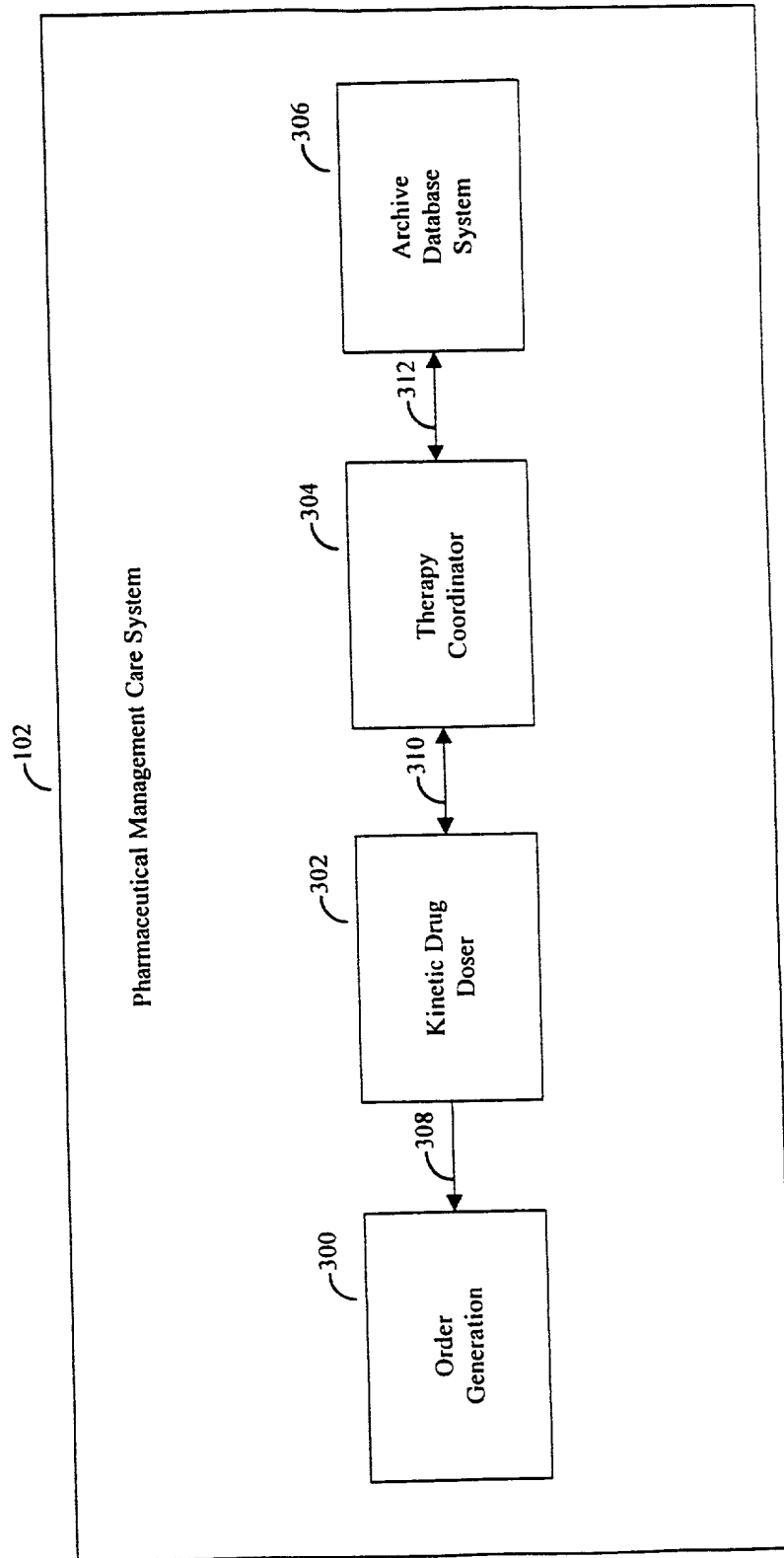
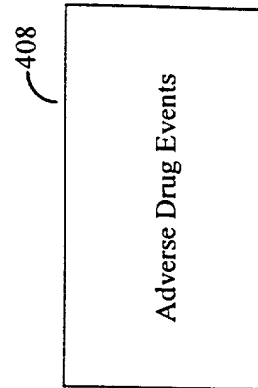
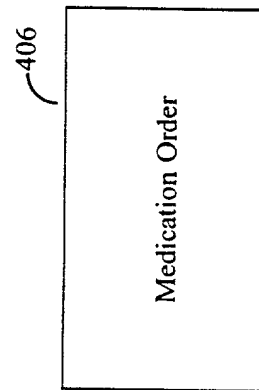
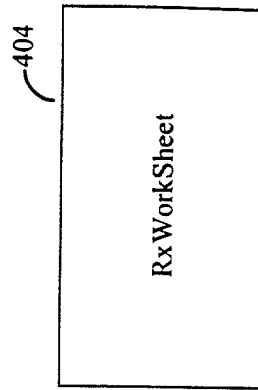
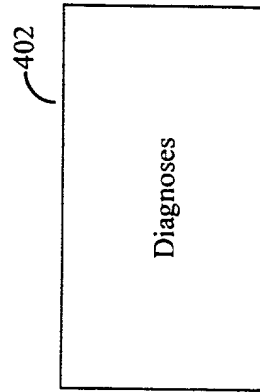
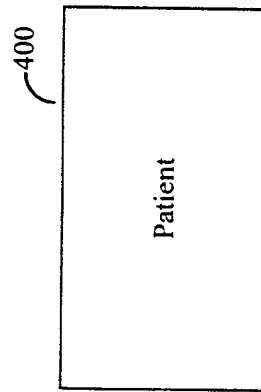
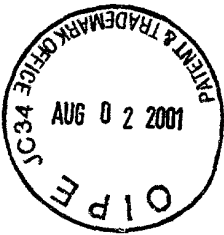




FIGURE 4





400

502

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

516 { Patient List Patient Record

+|-

504 {

1 12345

B Bob, Joe

G Good, John

J Johnson, Lyndon

K Jordan, George

K Kapp, Jack

S Kapp, Thomas

S Stephenopoulos, Zeno

T Thweatt, Bob

PATIENT ID 1234 LOCATION # ROOM NO

FIRSTNAME Thomas M L LASTNAME Kapp

D.O.B. 02/07/1944 AGE 56 SEX Male

HEIGHT 183 cm BODY SURFACE AREA 2.23 m²

WEIGHT 97 kg IDEAL BODY WEIGHT 77 kg

DOCTOR Wazoo

RECORD CREATED 02/11/00 (UKtkapp) LAST UPDATED 03/13/00 (tkapp)

Add Patient Modify Patient Record Print Profile

506 508 510

Drug Interactions Contraindications

512 514

Internet zone

Figure 5A

518

502

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

516

Patient List

+ -

B

J

Patient Record

PATIENT ID 333 LOCATION ROOM NO

FIRSTNAME Wally MI G LASTNAME Balloo

D.O.B. 03/23/1954 AGE 46 SEX Male

HEIGHT 183 cm BODY SURFACE AREA 1.89 m²

WEIGHT 70 kg IDEAL BODY WEIGHT 77 kg

DOCTOR Jones

RECORD CREATED 03/23/00 (tkapp) LAST UPDATED 03/23/00 (tkapp)

DRUG ALLERGIES NOTES DATE RECORDED (BY)

AMOXICILLIN 03/23/00 (tkapp)

520

522

526

524

506

508

510

512

514

Add Patient Modify Patient Record Print Profile

Drug Interactions Contraindications

Done Internet zone

Figure 5B

6606

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address <http://development.diseasemanagementsys.com/> Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List

+ | -

B
▶ Balloo, Wally

J
Jones, Robert

Modify Patient Record

PATIENT ID 333 LOCATION ROOM NO

FIRST Wally MI G LAST Balloo

D.O.B. 03/23/1954 SEX Male AGE 46

HEIGHT 183 IN CM IDEAL BODY WEIGHT(KG) 77

WEIGHT 70 LB KG DOCTOR Jones

Save Changes | Cancel Changes | Record Drug Allergy

602

604

Done Internet zone

Figure 6

0925141-08001
T02080-T42860

09825141-080201

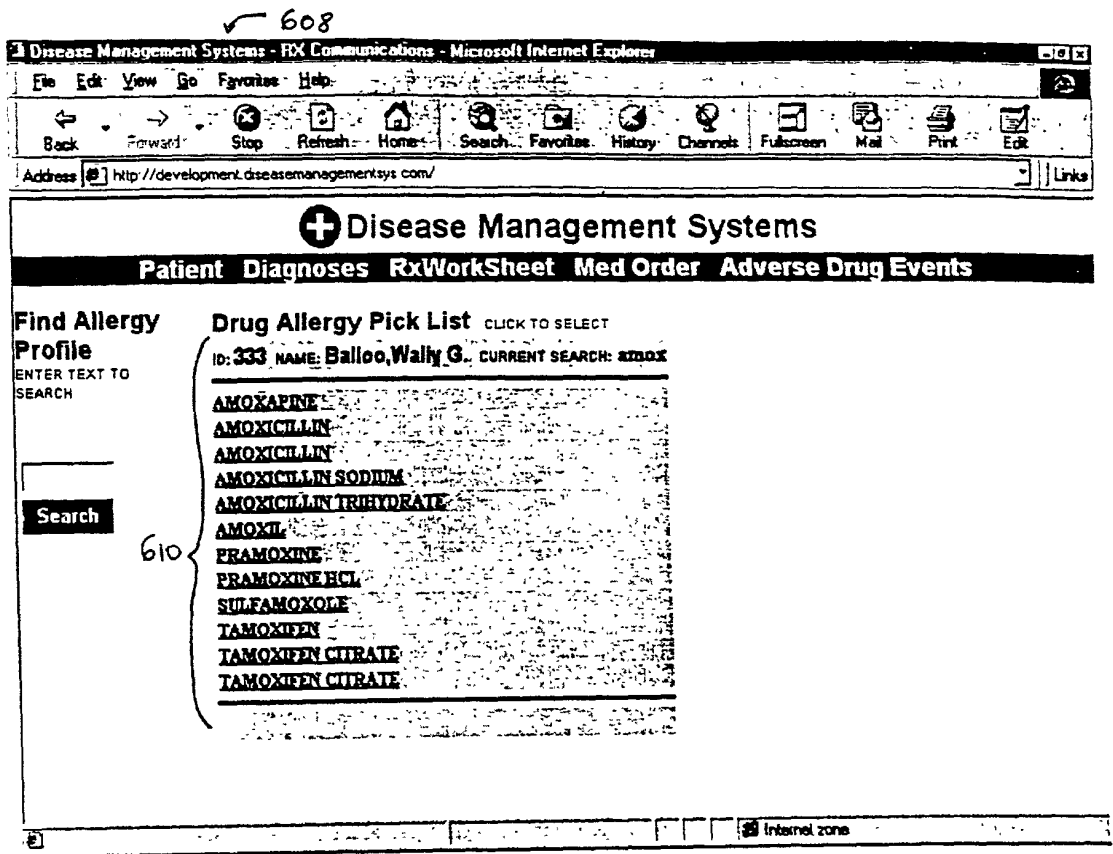


Figure 7

600

Patient Profile - Disease Management Systems - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen

Address <http://development.diseasemanagementsys.com/patient/profile.cfm> Links

Patient Profile

NAME: Thomas L Kapp SEX: Male AGE: 56
 ID: 1234 LOCATION: south wing ROOM: 234s
 ATTENDING DR: Wazoo
 RECORD CREATED: 02/11/00 LAST UPDATED: 03/14/00

CURRENT MEDICAL CONDITIONS	(COUNT: 2)	DATE ADDED	OPERATOR ID
ANGINA PECTORIS, CHRONIC		03/14/00	tkapp
DIABETES MELLITUS		03/13/00	tkapp

CURRENT MEDICATIONS - INGREDIENTS	(COUNT: 3)	DATE ADDED	OPERATOR ID
-----------------------------------	------------	------------	-------------

Done Internet zone

Figure 8

600b

Patient Profile - Disease Management Systems - Microsoft Internet Explorer			
http://development.disease-managementsys.com/patient/profile.cfm			
DIABETES MELLITUS		03/13/00	tkapp
CURRENT MEDICATIONS - INGREDIENTS		(COUNT 3)	DATE ADDED
NORVASC 10MG TABLET		03/14/00	tkapp
getmed.advisory			
XANAX 2MG TABLET		03/13/00	tkapp
getmed.advisory			
LASIX 10MG/ML SOLUTION		03/14/00	tkapp
2000-03-24 00 00.00		tkapp	
getmed.advisory			
CONTRAINDICATION WARNINGS		(COUNT 0)	
DRUG INTERACTION WARNINGS		(COUNT 0)	

Figure 9

09825141-080201

402

Disease Management Systems - FDC Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail

Address http://development.diseasemanagementsys.com/

Disease Management Systems

Patient RxWorkSheet Med Order Adverse Drug

Patient List

Diagnoses

ID: 1234 NAME: Kapp, Thomas

CONDITIONS: ID: 250 DOB: 03/13/2000 (KAPPA) End

Click To Add Diagnoses

Drug Interactions Contraindications

Internet zone

Figure 10

804

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Sort

Diagnoses

Enter text to search

Search

Add Diagnoses

CLICK ON CONDITION TO ADD

ID: 333 NAME: Balloo, Wally G. CURRENT SEARCH: #

ICD9 Diagnoses

- 39.20 ABDOMINAL ACTINOMYCOSIS
- 039.2 ABDOMINAL ACTINOMYCOSIS
- 039.3 ABDOMINAL ACTINOMYCOSIS
- 68.4 ABDOMINAL HYSTERECTOMY
- 68.4 ABDOMINAL HYSTERECTOMY SURGICAL PROPHYLAXIS
- 788.00 ABDOMINAL PAIN CRAMPS
- 788.30 ABDOMINAL SWELLING
- 788.67 ABDOMINAL TENDERNESS GENERALIZED
- 788.61 ABDOMINAL TENDERNESS UPPER RIGHT QUADRANT
- 786.4 ABNORMAL CLINICAL FINDINGS
- 780.2 ABNORMAL GLUCOSE TOLERANCE TEST
- 795.0 ABNORMAL PAPANICOLAOU SMEAR OF CERVIX NONSPECIFIC
- 786.4 ABNORMAL UREASE BREATH TEST
- 826.8 ABNORMAL UTERINE BLEEDING SECONDARY TO HORMONAL IMBALANCE

http://development.diseasemanagementsys.com/diagnoses/ Internet zone

Figure 11

0925144-090201

404

516 {

504 {

912

900

902

903

904

905

512

514

Disease Management Systems - IDX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Favorites Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List

12345
Bob, Joe
George, John
Johnson, Linda
Jordan, George
K
Kapp, Jack
Kapp, Thomas
S
Stephopoulos, Zeno
T
Thomaz, Bob

Medications

ID: 1234 NAME: Kapp, Thomas

MEDICATION DOCTOR START (YY) END (YY) RX WRITTEN

XANAX 2MG TABLET Wazoo 03/13/2000 (TKAPP) End 03/13/00

Add Medication View Advisories Infusion Calculator View SDC Plot

Drug Interactions **Contraindications**

Internet zone...

Figure 12

092544-08001

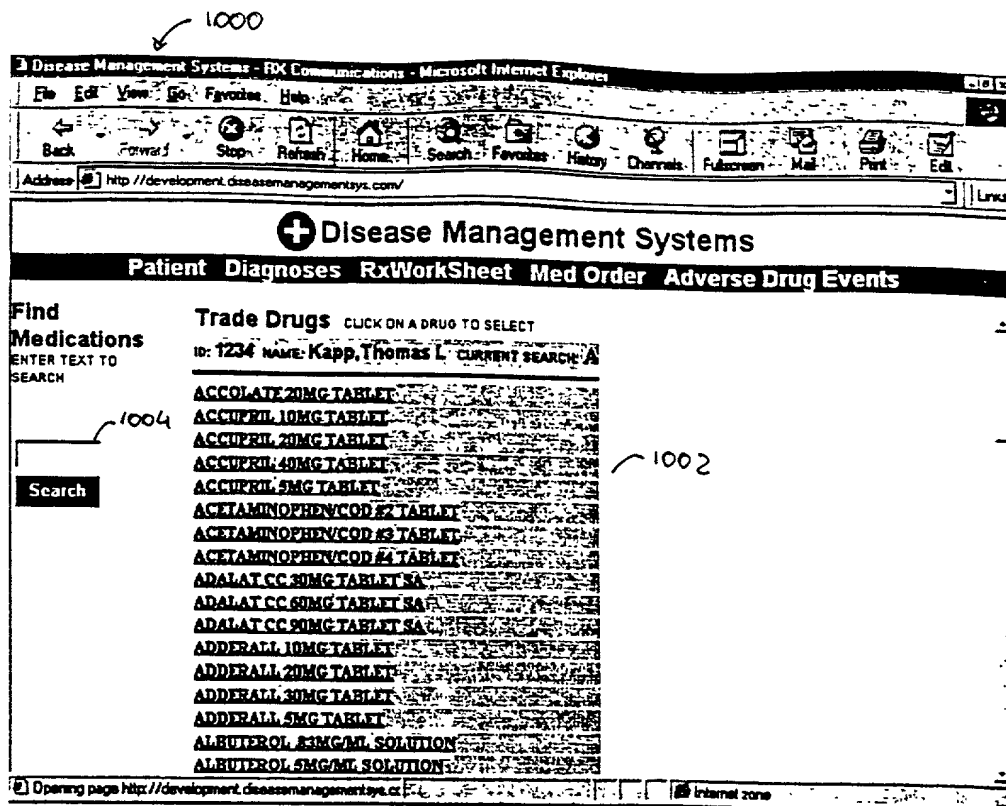


Figure 13

092544-03001
02030-445260

906

Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List **Medication Advisories**

908

ACETAMINOPHEN/COD #4 TABLET

- SEEK IMMEDIATE HELP IF OVERDOSE IS SUSPECTED
- USE EXACTLY AS DIRECTED BY DOCTOR
- MAY CAUSE DROWSINESS, CAUTION OPERATING MACHINERY OR DRIVING
- CHECK WITH DOCTOR BEFORE INCREASING DOSE
- MAY BE HABIT FORMING
- AVOID OTHER CNS DEPRESSANTS
- REDUCE OR AVOID ALCOHOL CONSUMPTION
- DO NOT USE MORE OFTEN THAN RECOMMENDED BY DOCTOR

910

AMOXICILLIN 125MG/5ML SUSP

- MUST COMPLETE FULL COURSE OF THERAPY
- SPACE DOSES EVENLY
- FALSE POSITIVES WITH CUSO4 URINE GLUCOSE TEST
- DO NOT USE IF ALLERGIC TO PENICILLINS
- MAY REDUCE EFFECTIVENESS OF ORAL BC'S
- CALL DOCTOR IF SEVERE DIARRHEA OCCURS

Done Internet zone

Figure 14

098544-08001
FOI2000-TH52860

406

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address <http://development.disease-managementsys.com/> Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List
+|-

1
2
3
4
5
6
7

Medication Order
Click on formula to select
ID:1234 Name: Thomas L Kapp

STRENGTH & FORM QTY	MFR	COST	DESCRIPTION
XANAX 2MG TABLET			
• 2MG TAB	100 EA PHARMACIA	UP JHN \$0.00	
• 2MG TAB	500 EA PHARMACIA	UP JHN \$0.00	

Cancel

Internet zone

Figure 15

20250414 08001

1108

Disease Management Systems - RX Communications - Microsoft Internet Explorer

Address <http://development.diseasemanagementsys.com/>

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Medication Order

1104 {

PATIENT NAME: Wally Balloo

PRESCRIBING DOCTOR: Jones

DRUG: 00083035001 - ACETAMINOPHEN/COD #4 TABLET

675mg/30-300MG TAB QUANTITY 100 EA (TAB)

DIRECTION: [Empty field] 1110

Save Order Cancel

Short Hand Notations

1106 {

And	gr	Grain	pm	Afternoon-evening
bs	Before meals	gtt	A drop	By mouth
ad	Right ear	qv	When necessary	
ad	To, up to	h	An hour	A powder

Internet zone

Figure 16

09825141-080201
T02080-TT5280

408

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Patient List **Adverse Drug Events (ADE)**

+|-

REPORTED ADVERSE EFFECT MEDICATION NOTES

03/13/00 Diabetes mellitus XANAX 2MG TABLET **Print**

Report Adverse Drug Event

1200

1204

1202

Internet zone

Figure 17

002544-080201
TORO T2260

1300

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address http://development.diseasemanagementsys.com/ Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

Adverse Drug Event (ADE) Report:

ID: 1234 NAME: Kapp, Thomas L

MEDICATIONS INVOLVED: 1302 1324 XANAX 2MG TABLET

DIAGNOSES INVOLVED: DIABETES MELLITUS

(HOLD DOWN CTRL TO SELECT MULTIPLE) (HOLD DOWN CTRL TO SELECT MULTIPLE)

DATE ADE REPORTED 03/13/00 DURATION OF ADE (IF KNOWN) DAYS

TYPE OF ADE (CHECK ONE): 1318

<input type="checkbox"/> CARDIOVASCULAR	<input type="checkbox"/> HEMATOLOGIC	<input type="checkbox"/> MISCELLANEOUS
<input type="checkbox"/> CENTRAL NERVOUS SYSTEM	<input type="checkbox"/> HYPERSENSITIVITY	<input type="checkbox"/> RESPIRATORY
<input type="checkbox"/> DERMATOLOGIC	<input type="checkbox"/> KIDNEY / RENAL	<input type="checkbox"/> SPECIAL SENSES
<input type="checkbox"/> GASTROINTESTINAL	<input type="checkbox"/> METABOLIC	<input type="checkbox"/> MUSCULOSKELETAL

Continue Cancel Report

Done Internet zone

1304 1306

Figure 18

0985141.080201

1308

Disease Management Systems - RX Communications - Microsoft Internet Explorer

File Edit View Go Favorites Help

Back Forward Stop Refresh Home Search Favorites History Channels Fullscreen Mail Print Edit

Address <http://development.diseasemanagementsys.com/> Links

+ Disease Management Systems

Patient Diagnoses RxWorkSheet Med Order Adverse Drug Events

1318 ☐ HYPOTENSION ☐ PERIPHERAL EDEMA ☐ VASODILATION

1310 ☐ HYPERTENSION ☐ FLUID RETENTION ☐ PERIPHERAL VASCULAR DISEASE

☐ CARDIAC ARRHYTHMIAS ☐ CHEST PAIN/ANGINA

IF ADE IS NOT NOTED ABOVE, PLEASE DESCRIBE:

1312

SEVERITY: ☐ MILD ☐ MODERATE ☐ SEVERE ☐ FATAL

1314

LIKELIHOOD THAT THE ADE IS DUE TO THE MEDICATION: ☐ HIGHLY LIKELY ☐ PROBABLY ☐ NOT LIKELY

1320

OUTCOME: ☐ FULLY RECOVERED ☐ SOME RESIDUAL SEQUELLA ☐ PERMANENT SEQUELLA

1316

ACTION TAKEN: ☐ DRUG CONTINUED ☐ DRUG DOSAGE ALTERED ☐ DRUG DISCONTINUED

1322

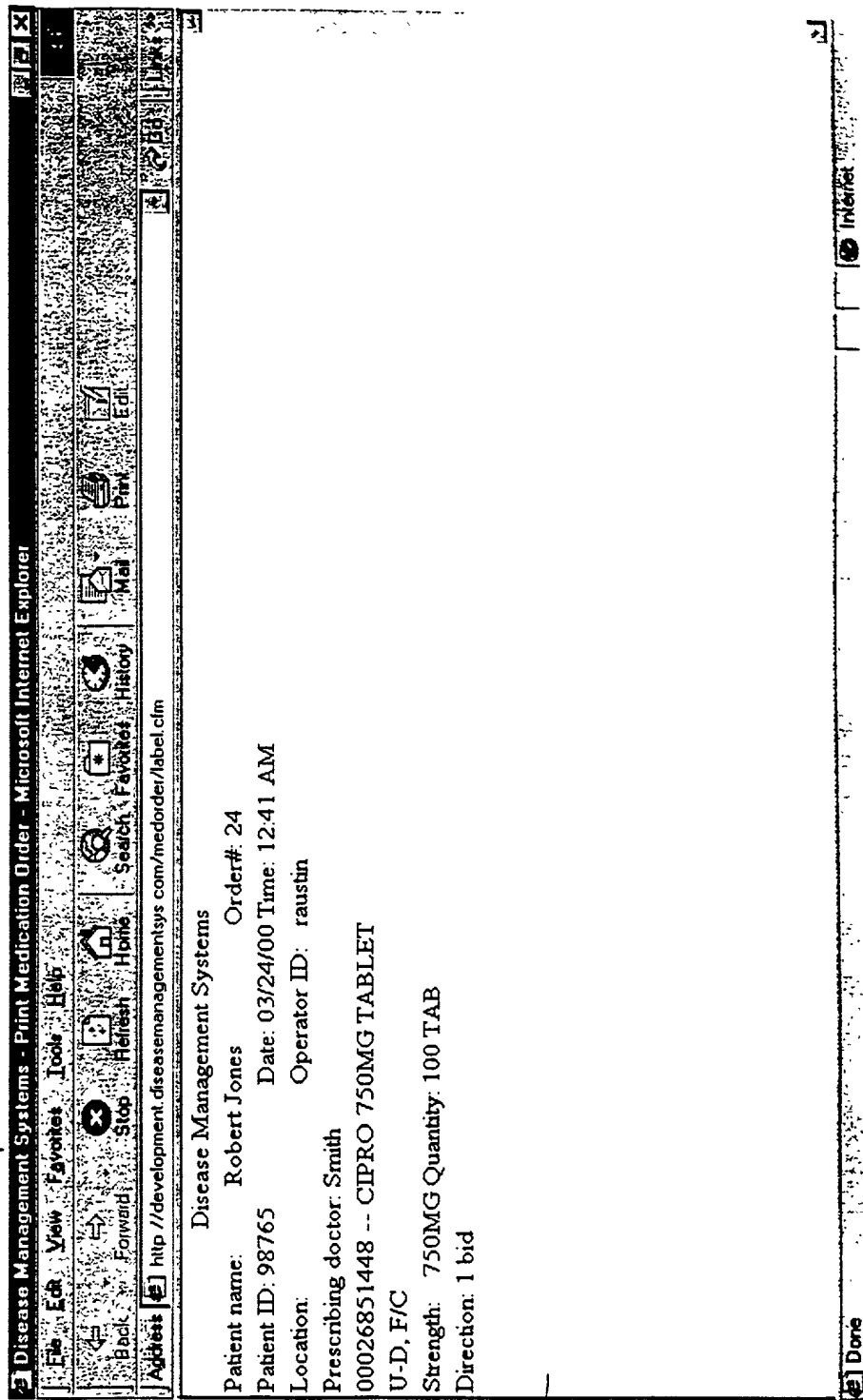
Internet zone

Figure 19

20080414T152860

Figure 20

2000



2002

Figure 21

2004

Warning! - Contraindications & Drug Interactions - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address http://development.diseasemanagementsys.com/contraindications.cfm

Patient: 98765 - Jones, Robert
Geriatric Patient: (Age: 68 years)

Start Setup ---- Allergy Section Direct Match Allergen specific Allergy Cross No Allergy Found Direct Match Allergen specific Allergy Cross No Allergy Found **DRUG INTERACTIONS**

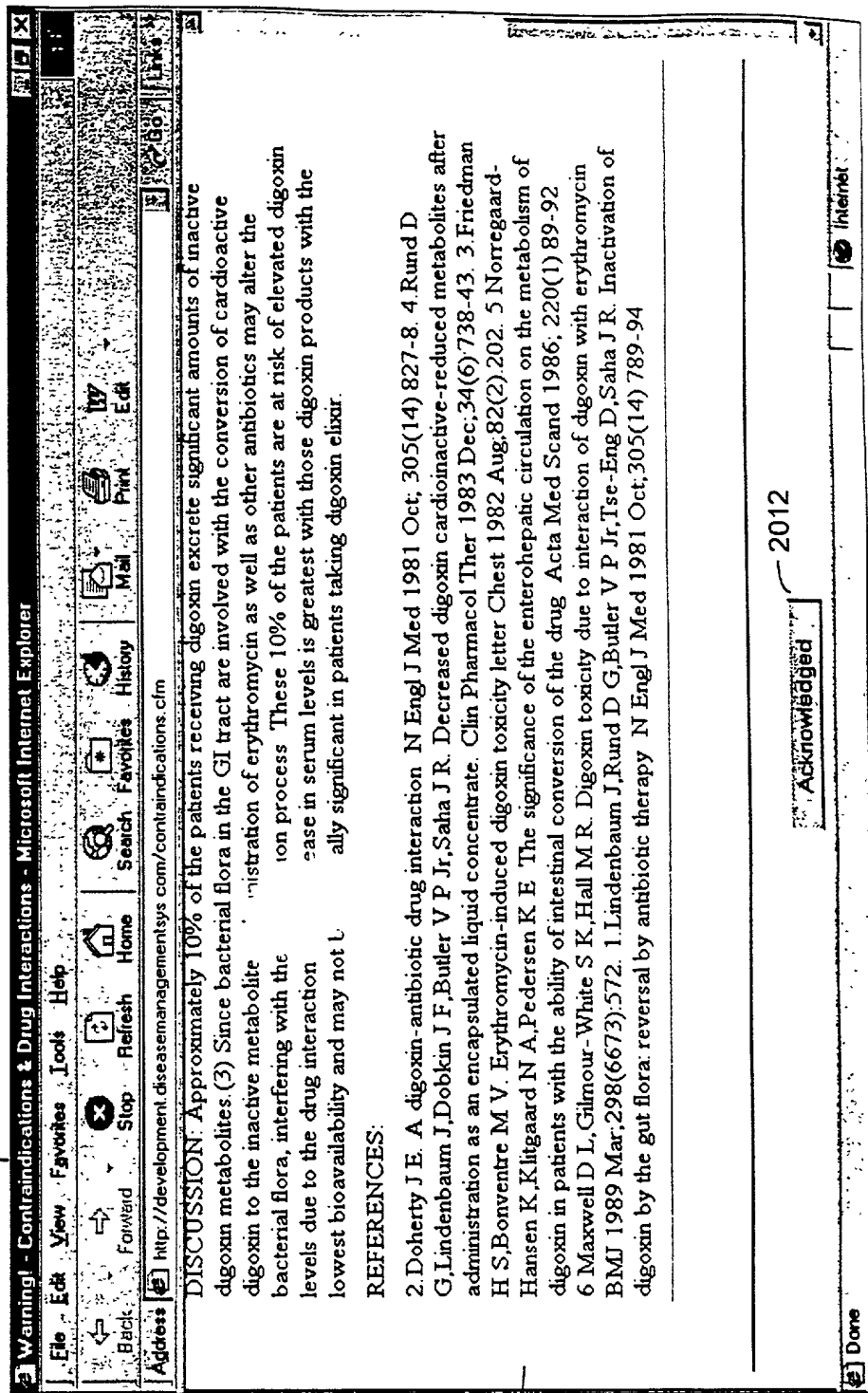
- Drug Interaction: ERY-TAB 500MG TABLET EC / LANOXIN 125MCG TABLET
MONOGRAPH TITLE: Digoxin, Oral/Macrolide Antibiotics
SEVERITY LEVEL: 3-Moderate Interaction: Assess the risk to the patient and take action as needed.
MECHANISM OF ACTION: Erythromycin may alter the bacterial flora in the GI tract, increasing the bioavailability of digoxin
CLINICAL EFFECTS: Digoxin serum levels may be elevated, producing increased therapeutic and adverse effects. A two fold increase in steady state digoxin level has been shown (1) At least one case report has been documented of the erythromycin-digoxin interaction with toxicity evidenced by slow atrial fibrillation, right bundle branch block, and ventricular bigeminy (2) The effects of erythromycin on the GI flora may persist for several months.
PREDISPOSING FACTORS: None determined.
PATIENT MANAGEMENT: Monitor digoxin serum levels during concurrent erythromycin therapy and adjust the dose as needed.

Done Done Internet

2006

Figure 22

2004



2010